

FORM PTO-1449
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.

16515.102

APPLICATION NO.

09/987,025

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APPLICANTS

Albert BORONAT *et al.*

SEP 20 2002

FILING DATE

November 13, 2001

GROUP

1638

TECH CENTER 1600/2900

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA1						
	AB1						
	AC1						
	AD1						
	AE1						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AF1						Yes No
	AG1						Yes No
	AH1						Yes No
	AI1						Yes No
	AJ1						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

RK	AK	1	Nakamura <i>et al.</i> , Database EMBL, Accession No.: AB009053, Abstract (1997)				
	AL	1					
	AM	1					
	AN	1					
	AO	1					
	AP	1					

EXAMINER

Russell Kallis

DATE CONSIDERED

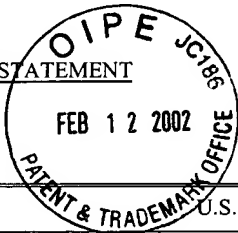
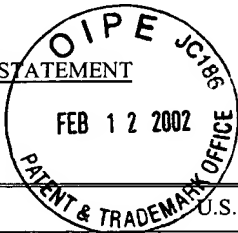
1-30-03

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FEB 12 2002 U.S. PATENT & TRADEMARK OFFICE				FILING DATE November 13, 2001		GROUP 1638	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
RK	AA1	6,303,365B1	10/16/01	Martin, William Frank <i>et al.</i>			
	AB1						
FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
RK	AC1	0723017	07/24/96	EUROPE (Abstract)			X Yes No
RK	AD1	99/11757	03/11/99	PCT			X Yes No
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
RK	AE	1	Accession No.: AA586087, Abstract (September 13, 1997)				
RK	AF	1	DEBEST ID:1262303, <i>Entrez Report</i> , Accession No.: AA586087 (September 11, 1997)				
RK	AG	1	De Luca, Vincenzo, Molecular Characterization of Secondary Metabolic Pathways, <i>AgBiotech News and Information</i> , 5(6):225N-229N (1993)				
RK	AH	1	Fellermeier, Monika, <i>et al.</i> , Cell-free Conversion of 1-deoxy-D-xylulose 5-phosphate and 2-C-methyl-D-erythritol 4-phosphate into β -Carotene in Higher Plants and its Inhibition by Fosmidomycin, <i>Tetrahedron Letters</i> , 40:2743-2746 (1999)				
RK	AI	1	Harker, M., <i>et al.</i> , Expression of Prokaryotic 1-deoxy-D-xylulose-5-phosphatases in <i>Escherichia coli</i> Increases Carotenoid and Ubiquinone Biosynthesis, <i>FEBS Letters</i> , 448:115-119 (1999)				
RK	AJ	1	International Search Report, PCT/US00/10367, pp. 1-4 (September 15, 2000)				
RK	AK	1	Koziel, Michael G., <i>et al.</i> , Optimizing Expression of Transgenes with an Emphasis on Post-Transcriptional Events, <i>Plant Molecular Biology</i> , 32:393-405 (1996)				
RK	AL	1	Lange, B. Markus, <i>et al.</i> , A Family of Transketolases that Directs Isoprenoid Biosynthesis Via a Mevalonate-Independent Pathway, <i>Proc. Natl. Acad. Sci. USA</i> , 95:2100-2104 (March 1998)				
EXAMINER Russell Hallen					DATE CONSIDERED 8-30-03		

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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA2						
	AB2						
FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
RK	AC2	00/17233	03/30/00	PCT (Abstract)			X Yes No
RK	AD2	00/34448	06/15/00	PCT			X Yes No
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
RK	AE	2	Lange, B. M., <i>et al.</i> , Mentha x Piperita 1-deoxy-D-xylulose-5-phosphate Reductoisomerase (DXR) mRNA, complete cds, <i>Entrez Report</i> , Accession No. AF116825 (April 13, 1999)				
RK	AF	2	Lange, B. Markus, <i>et al.</i> , Isoprenoid Biosynthesis Via a Mevalonate-Independent Pathway in Plants: Cloning and Heterologous Expression of 1-Deoxy-D-xylulose-5-phosphate Reductoisomerase from Peppermint, <i>Archives of Biochemistry and Biophysics</i> , 365(1):170-174 (May 1, 1999)				
RK	AG	2	Mandel, M. Alejandra, <i>et al.</i> , <i>CLA1</i> , A Novel Gene Required for Chloroplast Development, is Highly Conserved in Evolution, <i>The Plant Journal</i> , 9(5):649-658 (1996)				
RK	AH	2	Nakamura, Yasukazu, <i>et al.</i> , Structural Analysis of <i>Arabidopsis thaliana</i> Chromosome 5. III. Sequence Features of the Regions of 1,191,918 bp Covered by Seventeen Physically Assigned P1 Clones, <i>DNA Research</i> , 4(6):401-414 (1997)				
RK	AI	2	Sato, Shusei, <i>et al.</i> , Structural Analysis of <i>Arabidopsis thaliana</i> Chromosome 5. IV. Sequence Features of the Regions of 1,456,315 bp Covered by Nineteen Physically Assigned P1 and TAC Clones, <i>DNA Research</i> , 5:41-54 (1998)				
RK	AJ	2	Schwender, J., <i>et al.</i> , <i>Arabidopsis thaliana</i> mRNA for Partial 1-deoxy-d-xylulose-5-phosphate Reductoisomerase (dxr gene), <i>Entrez Report</i> , Accession No.: AJ242588 (August 25, 1999)				
RK	AK	2	Schwender, Jörg, <i>et al.</i> , Cloning and Heterologous Expression of a cDNA Encoding 1-deoxy-D-xylulose-5-phosphate Reductoisomerase of <i>Arabidopsis thaliana</i> , <i>FEBS Letters</i> , 455:140-144 (1999)				
RK	AL	2	Stam, Maike, <i>et al.</i> , The Silence of Genes in Transgenic Plants, <i>Annals of Botany</i> , 79:3-12 (1997)				
EXAMINER					DATE CONSIDERED		
Russell Kallis					1-30-03		
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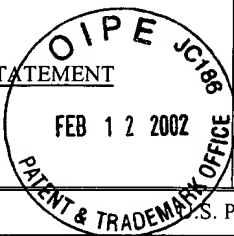
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA3						
	AB3						
FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
RK	AC3	00/46346	08/10/00	PCT			X Yes No
RK	AD3	00/63389	10/26/00	PCT			X Yes No
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
RK	AE	<u>3</u>	Takahashi, Shunji, <i>et al.</i> , A 1-deoxy-D-xylulose 5-phosphate Reductoisomerase Catalyzing the Formation of 2-C-methyl-D-erythritol 4-phosphate in an Alternative Nonmevalonate Pathway for Terpenoid Biosynthesis, <i>Proc. Natl. Acad. Sci. USA</i> , 95:9879-9884 (August 1998)				
RK	AF	<u>3</u>	Zeidler, Johannes, <i>et al.</i> , Inhibition of the Non-Mevalonate 1-Deoxy-D-xylulose-5-phosphate Pathway of Plant Isoprenoid Biosynthesis by Fosmidomycin, <i>A Journal of Biosciences, Zeitschrift fuer Naturforschung, Section C</i> , 53(11/12):980-986 (November/December 1998)				
	AG	<u>3</u>					
	AH	<u>3</u>					
	AI	<u>3</u>					
	AJ	<u>3</u>					
	AK	<u>3</u>					
	AL	<u>3</u>					
EXAMINER					DATE CONSIDERED		
Russell K. Ellis					7-30-03		

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA4					
	AB4					

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
KK	AC4	00/65036	11/02/00	PCT (Abstract)		X Yes No
	AD4					Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AE	<u>4</u>	
	AF	<u>4</u>	
	AG	<u>4</u>	
	AH	<u>4</u>	
	AI	<u>4</u>	
	AJ	<u>4</u>	
	AK	<u>4</u>	
	AL	<u>4</u>	

EXAMINER

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